

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Brian Ballard

GENERAL INFORMATION:

|                            |  |
|----------------------------|--|
| Name:                      | Bluegrass Station Division.                    |
| Address:                   | 5751 Briar Hill Road, Lexington, KY 40516-9721 |
| Date application received: | September 3, 2003                              |
| SIC/Source description:    | 9711/National Security                         |
| AFS(10-digit) Plant ID:    | 21-067-00032                                   |
| Application log number:    | 55963  |
| Permit number:             | F-03-029                                       |

APPLICATION TYPE/PERMIT ACTIVITY:

|  |  |
|--|--|
| <input checked="" type="checkbox"/> Initial issuance | <input type="checkbox"/> General permit                    |
| <input type="checkbox"/> Permit modification         | <input checked="" type="checkbox"/> Conditional major      |
| __Administrative                                     | <input type="checkbox"/> Title V                           |
| __Minor  | <input checked="" type="checkbox"/> Synthetic minor        |
| __Significant  | <input type="checkbox"/> Operating                         |
| <input type="checkbox"/> Permit renewal              | <input checked="" type="checkbox"/> Construction/operating |

COMPLIANCE SUMMARY:

|   |   |
|---|---|
| <input type="checkbox"/> Source is out of compliance                | <input type="checkbox"/> Compliance schedule included |
| <input checked="" type="checkbox"/> Compliance certification signed |   |

APPLICABLE REQUIREMENTS LIST:

|  |   |   |
|--|---|---|
| <input type="checkbox"/> NSR                   | <input type="checkbox"/> NSPS   | <input checked="" type="checkbox"/> SIP |
| <input type="checkbox"/> PSD                   | <input type="checkbox"/> NESHAPS  | <input type="checkbox"/> Other          |
| <input type="checkbox"/> Netted out of PSD/NSR | <input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b) |   |

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

| Pollutant                           | Actual (tpy) | Potential (tpy) | Allowable (tpy) |
|-------------------------------------|--------------|-----------------|-----------------|
| VOC                                 | 5.9          | 280             | 90*             |
| PM                                  | 0.58         | 15              | 15              |
| SO <sub>x</sub>                     | 0.04         | 0.5             | 0.5             |
| NO <sub>x</sub>                     | 2.53         | 21              | 21              |
| CO                                  | 0.58         | 14              | 14              |
| Toluene (108883)                    | 0.36         | 19              | 9***            |
| Ethylbenzene (100414)               | 0.0276       | 9.5             | 9***            |
| Xylene (1330207)                    | 0.29         | 21              | 9***            |
| Methyl Isobutyl Ketone (108101)     | 0.39         | 55              | 9***            |
| Methyl Ethyl Ketone (78933)         | 0.54         | 46.5            | 9***            |
| Chromium Compounds                  | 0.000973     | 7.0             | 7.0             |
| Chromium VI                         | 0            | 1.0             | 0.0030****      |
| Hexamethylene Diisocyanate (822060) | 0            | 9.0             | 9***            |
| Combined HAPs                       | 1.61         | 79              | 22.5**          |

\* Source wide VOC emission limit: 90 tons/yr

\*\* Source wide combined HAP emission limit: 22.5 tons/yr

\*\*\* Source wide single HAP emission limit: 9 tons/yr

\*\*\*\* Source wide Toxics limit

**SOURCE PROCESS DESCRIPTION:**

Bluegrass Station maintains existing painting facilities consisting of the following operations – paint preparations, repaint operations, and paint application. Other emission units located at Bluegrass Station include natural gas fired boilers, underground gasoline storage tank, and miscellaneous industrial processes. Construction is proposed for an additional painting operations facility for the resurfacing of military helicopters. See Statement of Basis for additional information.

**EMISSION AND OPERATING CAPS DESCRIPTION:**

Ninety (90) tons/year of total VOCs.

Nine (9) tons/year of any one HAP.

Twenty-two and a half (22.5) tons/year for total HAPs.

Six (6.0) lbs/year for Chromium VI.

To preclude applicability of 40 CFR 63 Subpart B.

1. Source wide individual HAP emissions 9 tons/yr.
2. Source wide combined HAP emissions is 22.5 tons/yr.